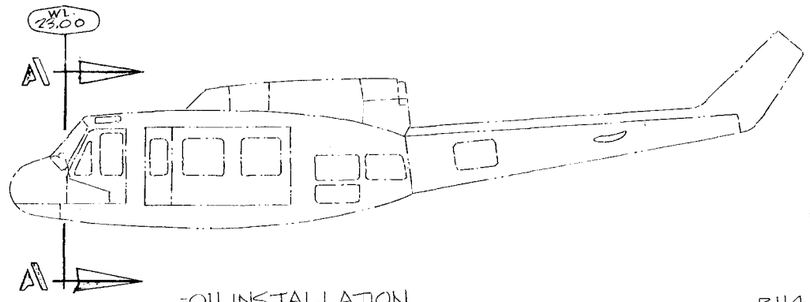
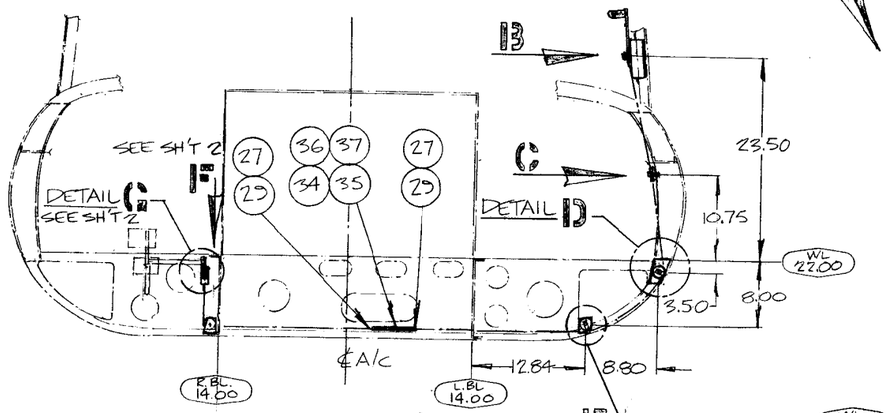
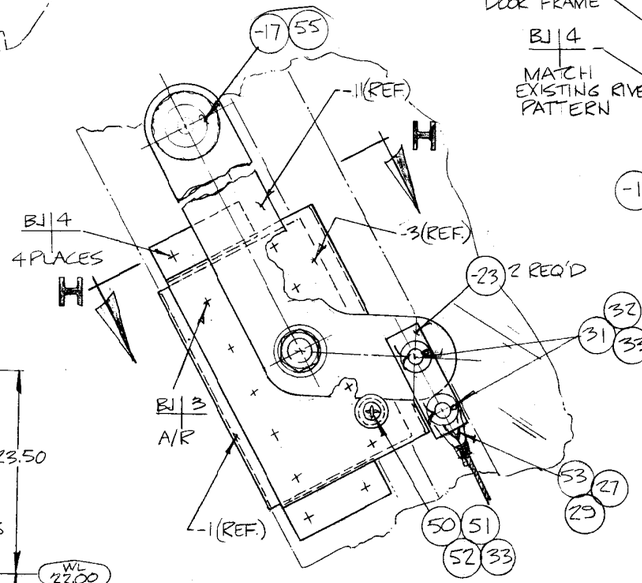


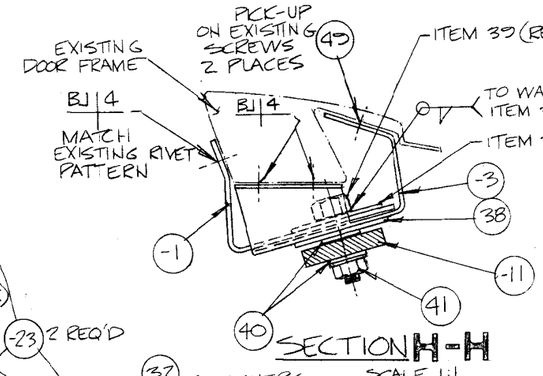
-011 INSTALLATION
NTS



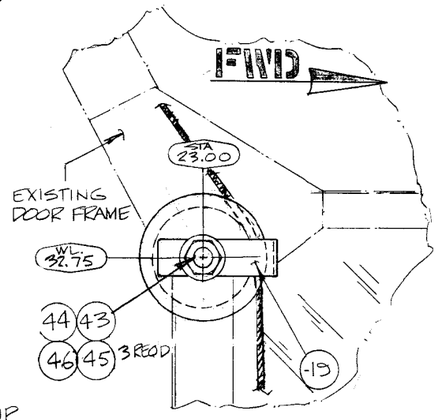
SECTION A-A
(LOOKING AFT ON STA. 23.00) N.T.S.



VIEW B
(LOOKING OUTBOARD) SCALE 1:1



SECTION H-H
SCALE 1:1



VIEW C
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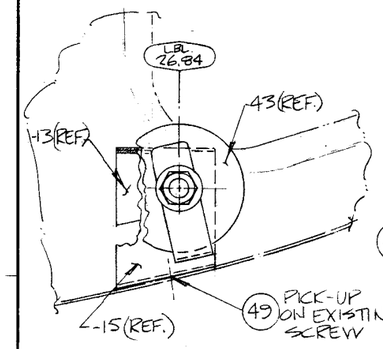
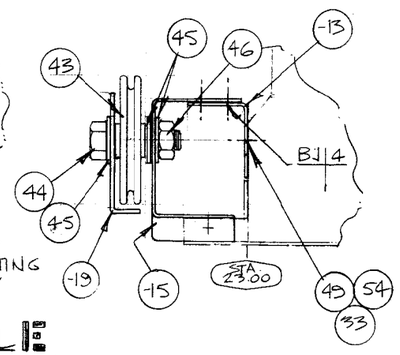
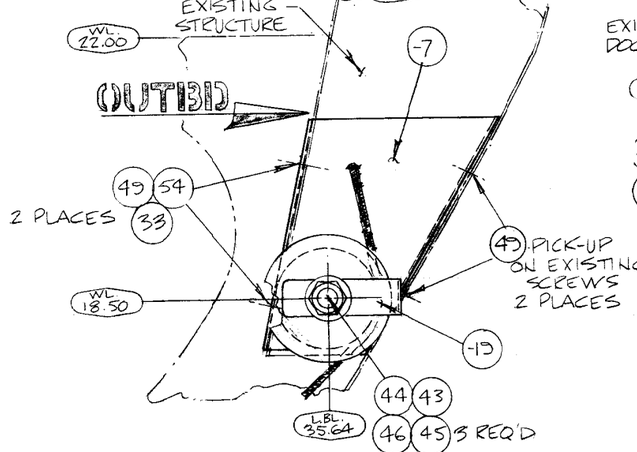




DETAIL E
SCALE 1:1



DETAIL D
(LOOKING AFT ON STA. 23.00) SCALE 1:1

NOTES

1. ALL MATERIAL, PARTS & COMPONENTS MUST MEET REQUIREMENTS OF E & I MANUAL PART 1, PARAGRAPH 3.1.5.
2. WORKMANSHIP MUST BE TO REQUIREMENTS OF E & I MANUAL AC 43.13.1A & 2A.
3. MINIMUM BEND RADII: .040 TH'K 2024, CLAD IS .094 RADIUS

QTY REQUIRED	PART NO.	ITEM	DESCRIPTION	MATERIAL	SPEC./VENDOR
1		59	ROLL PIN		
1	AN3-5A	58	BOLT		
1	MS20392-2C13	57	CLEVIS PIN		
2	MS35207-263	56	SCREW		
1	MS24693S-206	55	SCREW		
3	AN3-3	54	BOLT		
A/R	7X19	53	CABLE	3/32 DIA. MIL-W-83420	MACWHYTE
1	MS21083-N3	52	NUT		
1	MS27039-1-31	51	SCREW		
1	NAS47N3B-150	50	SPACER		
10	MS21078-3	49	ANCHOR NUT		
2	MS21080-3	48	ANCHOR NUT		
2	MS21081-3	47	ANCHOR NUT		
3	MS21083-N4	46	NUT		
10	AN960-416	45	WASHER		
4	AN4-11A	44	BOLT		
3	MS20219-2	43	PULLEY		
1	MS20219-1	42	PULLEY		
1	MS21042L5	41	NUT		
2	AN960-516	40	WASHER		
1	AN5-10A	39	BOLT		
2	AN970-516	38	WASHER		
1	MS21255-3RL	37	CABLE EYE		
1	MS21255-3LL	36	CABLE EYE		
1	MS21256-2	35	CLIP		
1	MS21251-B3L	34	TURNBUCKLE		
12	AN960-10	33	WASHER		
3	MS24665-132	32	COTTER PIN		
2	MS20392-2C15	31	CLEVIS PIN		
2	SA367-3	30	STRAP FORK END		MACWHYTE
3	28-2-G	29	NICROPRESS		
1	MS20664C-3	28	BALL		
3	AN100-4	27	THIMBLE		
2	D205-522	-23	PLATE	.050 TH'K 2024-T3	QQ-A-250/5
1		-21	ROD	.50 DIA. AISI 4130	MIL-S-6758
4		-19	GUARD	.040 TH'K 2024-T3	QQ-A-250/5
1		-17	HANDLE	1.00 DIA. 2024-T3	QQ-A-225/6
1		-15	BRACKET	.040 TH'K	QQ-A-250/5
1		-13	BRACKET	.040 TH'K	QQ-A-250/5
1		-11	ARM	.25 TH'K 2024-T3	QQ-A-250/5
1		-9	PLATE	.125 TH'K AISI 4130	MIL-S-18729
1		-7	BRACKET	.040 TH'K 2024-T3	QQ-A-250/5
1		-5	BRACKET		
1		-3	BRACKET		
1		-1	BRACKET	.040 TH'K 2024-T3	QQ-A-250/5
X	D205-522	-011	INSTALLATION		

INSTLN.	MODEL	REGN.	SER. NO.
-011	BELL 204B	C-GJME	2013
-011	BELL 205-A1	C-GAYB	30295
-011	BELL 205-A1	C-GNMJ	30264

EFFECTIVITY

REVISION	
DRAWN	
APPROVED	
DESCRIPTION OF CHANGE	

THIS DRAWING IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE PERMISSION OF DART AERO SYSTEMS INC.

REQUIREMENTS — UNLESS OTHERWISE SPECIFIED

GENERAL	LIMITS
1. DIMENSIONS ARE IN INCHES 2. SURFACE ROUGHNESS 125√ 3. REMOVE SHARP EDGES .015 MAX. 4. THREADS PER MIL - S - 7742 5. HOLES PER AND 10387	1. TOLERANCES — XX ± .030 XXX ± .010 2 ANGLES ± ½° 3. PARALLELISM ± .0025 4. ECCENTRICITY .005 MAX. 5. SYMMETRY ABOUT ALL M/C CENTRE LINES .005

REPORT ALL DISCREPANCIES — DO NOT SCALE

RIVET CODE SHALL BE PER NAS 523

BASIC CODE — DIA. DASH NO. N=HEAD NEAR SIDE F=HEAD FAR SIDE

D=DIMPLE DIGIT=NO OF SHEETS C=COUNTERSINK — LENGTH DASH NO. W=SPOTWELD

BASIC CODES

BJ=MS20470AD
BB=MS20426AD

APPROVAL

CONTRACT NO	D3591
DRAWN	DOUG HILLS — DATE MAR11/83
DESIGN	JIM BRADLEY — MAR24/83
STRESS	
CHECKED	JIM BRADLEY — MAR24/83
CLIENT	

DART AERO SYSTEMS INC.
VANCOUVER CANADA

CLIENT: NORTHERN MOUNTAIN HELICOPTERS

TITLE: CARGO HOOK MANUAL RELEASE

CODE | DWG. NO. D205-522 | REV. A

SCALE NOTED | SHT 1 OF 2

D205-522

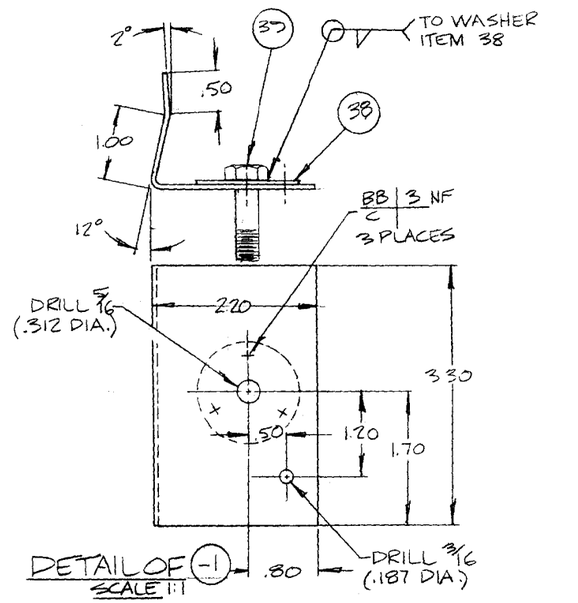
A

B

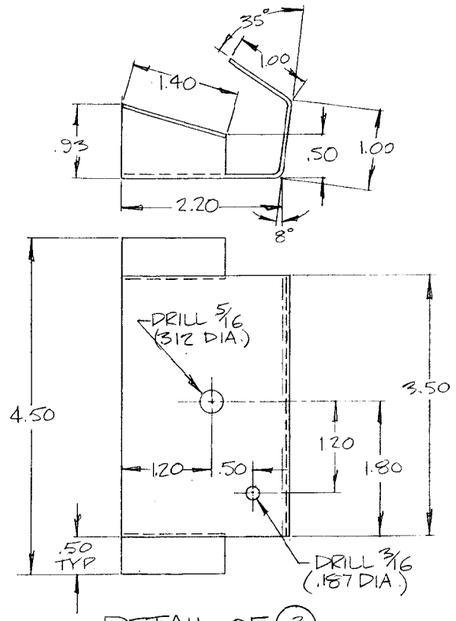
C

D

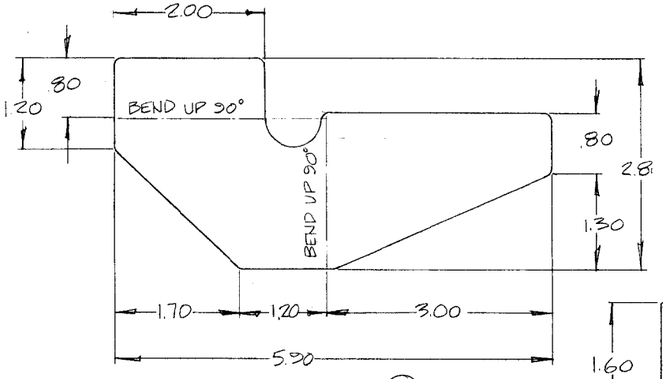
8 7 6 5 4 3 2 1



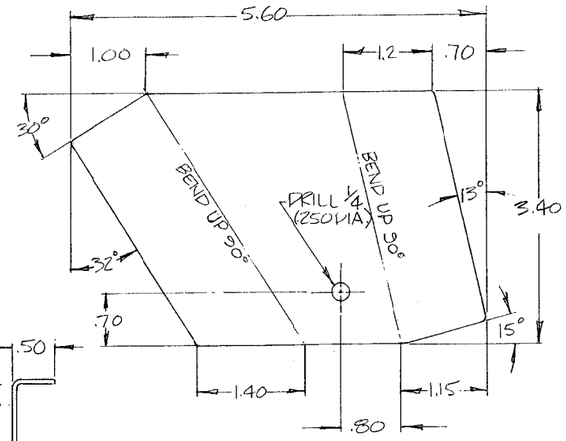
DETAIL OF (-1)
SCALE 1:1



DETAIL OF (-3)
SCALE 1:1



DETAIL OF (-5)
(FLAT PATTERN) SCALE 1:1



DETAIL OF (-7)
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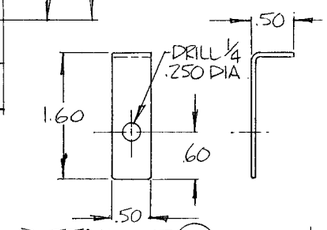

DETAIL OF (-19)
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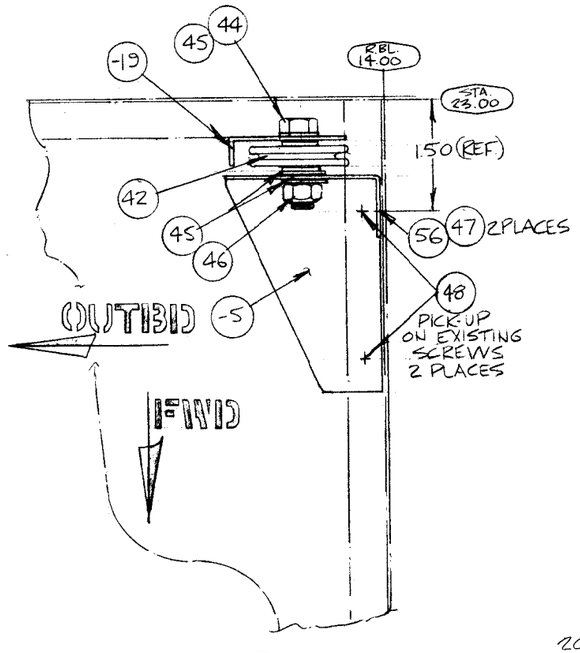

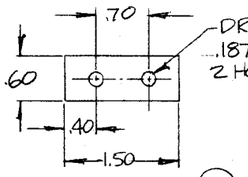

DETAIL OF (-23)
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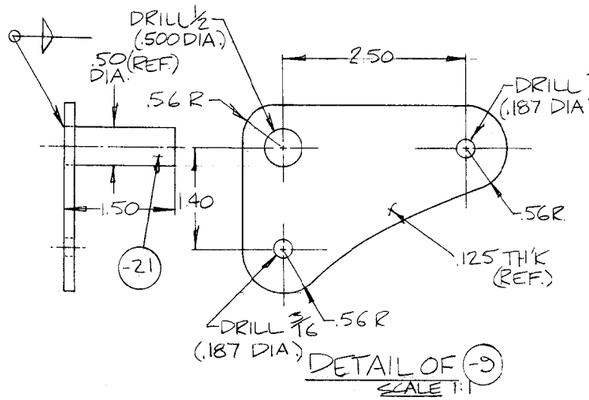

DETAIL OF (-9)
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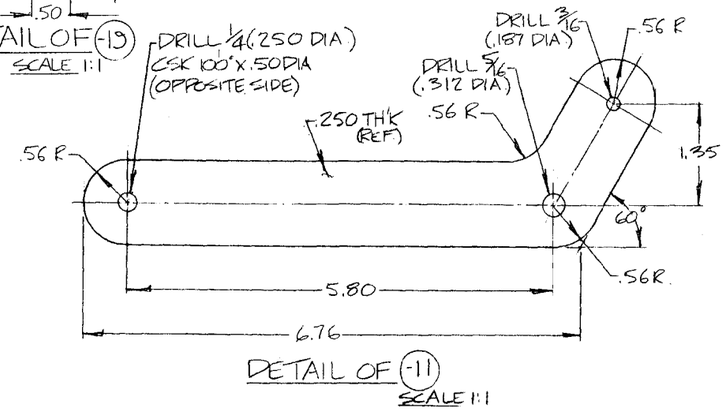

DETAIL OF (-11)
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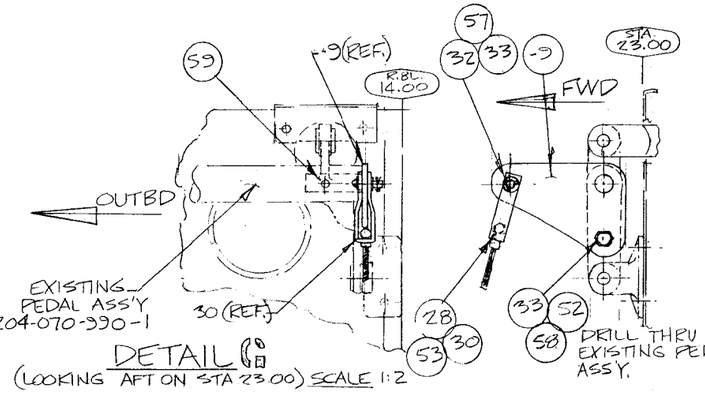
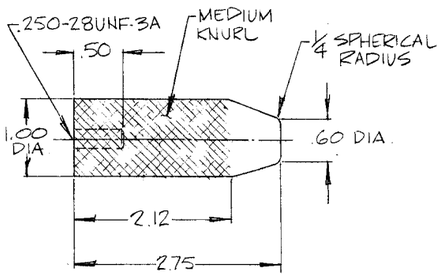
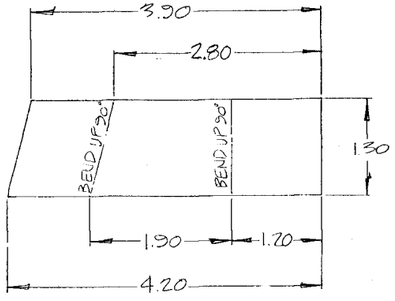


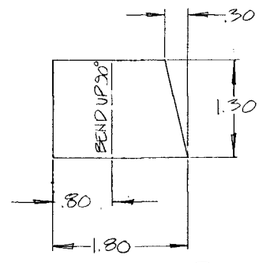
DETAIL OF (-6)
(LOOKING AFT ON STA 23.00) SCALE 1:2



DETAIL OF (-17)
SCALE 1:1



DETAIL OF (-15)
(FLAT PATTERN) SCALE 1:1



DETAIL OF (-13)
(FLAT PATTERN) SCALE 1:1

REVISION	
DRAWN	
APPROVED	
DESCRIPTION OF CHANGE	

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GENERAL	LIMITS
1. DIMENSIONS ARE IN INCHES 2. SURFACE ROUGHNESS 125 3. REMOVE SHARP EDGES .015 MAX. 4. THREADS PER MIL - S - 7742 5. HOLES PER AND 10387	1. TOLERANCES — .XX ± .030 .XXX ± .010 2. ANGLES ± ½° 3. PARALLELISM ± .0025 4. ECCENTRICITY .005 MAX 5. SYMMETRY ABOUT ALL M/C CENTRE LINES .005

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D=DIMPLE DIGIT=NO OF SHEETS C=COUNTERSINK	LENGTH DASH NO W=SPOTWELD

BASIC CODES

BJ=MS20470AD
BB=MS20426AD

INSTLN	MODEL	REGN	SER. NO.

EFFECTIVITY

QTY REQUIRED	PART NO.	ITEM	DESCRIPTION	MATERIAL	SPEC./VENDOR
APPROVAL					

CONTRACT NO. D3331

		DATE
DRAWN	DOUG HILLS	MAR 3/83
DESIGN	JIM BRADLEY	MAR 24/83
STRESS		
CHECKED	JIM BRADLEY	MAR 24/83
CLIENT		

DART AERO SYSTEMS INC.
VANCOUVER CANADA

CLIENT: NORTHERN MOUNTAIN HELICOPTERS

TITLE: CARGO HOOK MANUAL RELEASE

CODE | DWG NO. D205-522 | REV. A

SCALE AS NOTED | SHT 2 OF 2

D205-522

BP-1742